

W. Alvarado

Re-run



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/555,275A

DATE: 09/17/2002

TIME: 14:14:45

Input Set : N:\paola\US09555275A.RAW

Output Set: N:\CRF4\09172002\I555275A.raw

C--> 1 <110> APPLICANT: Commonwealth Scientific and Industrial Research Organisation
2 <120> TITLE OF INVENTION: Method of Designing Agonists and Antagonists to IGF
3 Receptor
4 <130> FILE REFERENCE: 050179-0081
C--> 5 <140> CURRENT APPLICATION NUMBER: US/09/555,275A
C--> 6 <141> CURRENT FILING DATE: 2001-08-30
7 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00998
8 <151> PRIOR FILING DATE: 1998-11-27
9 <150> PRIOR APPLICATION NUMBER: PP2598
10 <151> PRIOR FILING DATE: 1998-03-25
11 <150> PRIOR APPLICATION NUMBER: PP0585
12 <151> PRIOR FILING DATE: 1997-11-27
13 <160> NUMBER OF SEQ ID NOS: 16
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 150
18 <212> TYPE: PRT
19 <213> ORGANISM: Homo sapiens
20 <400> SEQUENCE: 1
21 Glu Ile Cys Gly Pro Gly Ile Asp Ile Arg Asn Asp Tyr Gln Gln Leu
22 1 5 10 15
23 Lys Arg Leu Glu Asn Cys Thr Val Ile Glu Gly Tyr Leu His Ile Leu
24 20 25 30
25 Leu Ile Ser Lys Ala Glu Asp Tyr Arg Ser Tyr Arg Phe Pro Lys Leu
26 35 40 45
27 Thr Val Ile Thr Glu Tyr Leu Leu Leu Phe Arg Val Ala Gly Leu Glu
28 50 55 60
29 Ser Leu Gly Asp Leu Phe Pro Asn Leu Thr Val Ile Arg Gly Trp Lys
30 65 70 75 80
31 Leu Phe Tyr Asn Tyr Ala Leu Val Ile Phe Glu Met Thr Asn Leu Lys
32 85 90 95
33 Asp Ile Gly Leu Tyr Asn Leu Arg Asn Ile Thr Arg Gly Ala Ile Arg
34 100 105 110
35 Ile Glu Lys Asn Ala Asp Leu Cys Tyr Leu Ser Thr Val Asp Trp Ser
36 115 120 125
37 Leu Ile Leu Asp Ala Val Ser Asn Asn Tyr Ile Val Gly Asn Lys Pro
38 130 135 140
39 Pro Lys Glu Cys Gly Asp
40 145 150
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 157
44 <212> TYPE: PRT
45 <213> ORGANISM: Homo sapiens

ENTERED

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Input Set : N:\paola\US09555275A.RAW

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46 <400> SEQUENCE: 2
47   His Leu Tyr Pro Gly Glu Val Cys Pro Gly Met Asp Ile Arg Asn Asn
48     1                               5                               10                               15
49   Leu Thr Arg Leu His Glu Leu Glu Asn Cys Ser Val Ile Glu Gly His
50     20                               25                               30
51   Leu Gln Ile Leu Leu Met Phe Lys Thr Arg Pro Glu Asp Phe Arg Asp
52     35                               40                               45
53   Leu Ser Phe Pro Lys Leu Ile Met Ile Thr Asp Tyr Leu Leu Leu Phe
54     50                               55                               60
55   Arg Val Tyr Gly Leu Glu Ser Leu Lys Asp Leu Phe Pro Asn Leu Thr
56     65                               70                               75                               80
57   Val Ile Arg Gly Ser Arg Leu Phe Phe Asn Tyr Ala Leu Val Ile Phe
58     85                               90                               95
59   Glu Met Val His Leu Lys Glu Leu Gly Leu Tyr Asn Leu Met Asn Ile
60     100                              105                              110
61   Thr Arg Gly Ser Val Arg Ile Glu Lys Asn Asn Glu Leu Cys Tyr Leu
62     115                              120                              125
63   Ala Thr Ile Asp Trp Ser Arg Ile Leu Asp Ser Val Glu Asp Asn His
64     130                              135                              140
65   Ile Val Leu Asn Lys Asp Asp Asn Glu Glu Cys Gly Asp
66     145                              150                              155
68 <210> SEQ ID NO: 3
69 <211> LENGTH: 165
70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
72 <220> FEATURE:
73 <221> NAME/KEY: MISC_FEATURE
74 <222> LOCATION: (15)..(24)
75 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
76 <220> FEATURE:
77 <221> NAME/KEY: MISC_FEATURE
78 <222> LOCATION: (109)..(110)
79 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
80 <400> SEQUENCE: 3
W--> 81   Leu Glu Glu Lys Lys Val Cys Gln Gly Thr Ser Asn Lys Leu Xaa Xaa
82     1                               5                               10                               15
W--> 83   Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Leu Ser Leu Gln Arg Met Phe Asn
84     20                               25                               30
85   Asn Cys Glu Val Val Leu Gly Asn Leu Glu Ile Thr Tyr Val Gln Arg
86     35                               40                               45
87   Asn Tyr Asp Leu Ser Phe Leu Lys Thr Ile Gln Glu Val Ala Gly Tyr
88     50                               55                               60
89   Val Leu Ile Ala Leu Asn Thr Val Glu Arg Ile Pro Leu Glu Asn Leu
90     65                               70                               75                               80
91   Gln Ile Ile Arg Gly Asn Met Tyr Tyr Glu Asn Ser Tyr Ala Leu Ala
92     85                               90                               95
W--> 93   Val Leu Ser Asn Tyr Asp Ala Asn Lys Thr Gly Leu Xaa Xaa Lys Pro
94     100                              105                              110
95   Met Arg Asn Leu Gln Glu Ile Leu His Gly Ala Val Arg Phe Ser Asn

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96          115          120          125
97      Asn Pro Ala Leu Cys Asn Val Glu Ser Ile Gln Trp Arg Asp Ile Val
98          130          135          140
99      Ser Ser Asp Phe Leu Ser Asn Met Ser Met Asp Phe Gln Asn His Leu
100         145          150          155          160
101      Gly Ser Cys Gln Lys
102          165
104 <210> SEQ ID NO: 4
105 <211> LENGTH: 167
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
108 <220> FEATURE:
109 <221> NAME/KEY: MISC_FEATURE
110 <222> LOCATION: (11)..(17)
111 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
112 <220> FEATURE:
113 <221> NAME/KEY: MISC_FEATURE
114 <222> LOCATION: (44)..(50)
115 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
116 <400> SEQUENCE: 4
W--> 117      Lys Val Cys Asn Gly Ile Gly Ile Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa
118          1          5          10          15
W--> 119      Xaa Asn Ala Thr Asn Ile Lys His Phe Lys Asn Cys Thr Ser Ile Ser
120          20          25          30
W--> 121      Gly Asp Leu His Ile Leu Pro Val Ala Phe Arg Xaa Xaa Xaa Xaa Xaa
122          35          40          45
W--> 123      Xaa Xaa Pro Pro Leu Asp Pro Gln Glu Leu Asp Ile Leu Lys Thr Val
124          50          55          60
125      Lys Glu Ile Thr Gly Phe Leu Leu Ile Gln Ala Trp Pro Glu Asn Arg
126          65          70          75          80
127      Thr Asp Leu His Ala Phe Glu Asn Leu Glu Ile Ile Arg Gly Arg Thr
128          85          90          95
129      Lys Gln His Gly Gln Phe Ser Leu Ala Val Val Ser Leu Asn Ile Thr
130          100         105         110
131      Ser Leu Gly Leu Arg Ser Leu Lys Glu Ile Ser Asp Gly Asp Val Ile
132          115         120         125
133      Ile Ser Gly Asn Lys Asn Leu Cys Tyr Ala Asn Thr Ile Asn Trp Lys
134          130         135         140
135      Lys Leu Phe Gly Thr Ser Gly Gln Lys Thr Lys Ile Ile Ser Asn Arg
136          145         150         155         160
137      Gly Glu Asn Ser Cys Lys Ala
138          165
140 <210> SEQ ID NO: 5
141 <211> LENGTH: 161
142 <212> TYPE: PRT
143 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 5
145      Lys Val Cys His Leu Leu Glu Gly Glu Lys Thr Ile Asp Ser Val Thr
146          1          5          10          15

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147   Ser Ala Gln Glu Leu Arg Gly Cys Thr Val Ile Asn Gly Ser Leu Ile
148           20                               25           30
149   Ile Asn Ile Arg Gly Gly Asn Asn Leu Ala Ala Glu Leu Glu Ala Asn
150           35                               40           45
151   Leu Gly Leu Ile Glu Glu Ile Ser Gly Tyr Leu Lys Ile Arg Arg Ser
152           50                               55           60
153   Tyr Ala Leu Val Ser Leu Ser Phe Phe Arg Lys Leu Arg Leu Ile Arg
154           65                               70           75           80
155   Gly Glu Thr Leu Glu Ile Gly Asn Tyr Ser Phe Tyr Ala Leu Asp Asn
156           85                               90           95
157   Gln Asn Leu Arg Gln Leu Trp Asp Trp Ser Lys His Asn Leu Thr Ile
158           100                              105          110
159   Thr Gln Gly Lys Leu Phe Phe His Tyr Asn Pro Lys Leu Cys Leu Ser
160           115                              120          125
161   Glu Ile His Lys Met Glu Glu Val Ser Gly Thr Lys Gly Arg Gln Glu
162           130                              135          140
163   Arg Asn Asp Ile Ala Leu Lys Thr Asn Gly Asp Lys Ala Ser Cys Glu
164           145                              150          155          160
165   Asn

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167 <210> SEQ ID NO: 6

168 <211> LENGTH: 161

169 <212> TYPE: PRT

170 <213> ORGANISM: Homo sapiens

171 <400> SEQUENCE: 6

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172   Lys Val Cys Glu Glu Glu Lys Lys Thr Lys Thr Ile Asp Ser Val Thr
173   1           5           10           15
174   Ser Ala Gln Met Leu Gln Gly Cys Thr Ile Phe Lys Gly Asn Leu Leu
175           20           25           30
176   Ile Asn Ile Arg Arg Gly Asn Asn Ile Ala Ser Glu Leu Glu Asn Phe
177           35           40           45
178   Met Gly Leu Ile Glu Val Val Thr Gly Tyr Val Lys Ile Arg His Ser
179           50           55           60
180   His Ala Leu Val Ser Leu Ser Phe Leu Lys Asn Leu Arg Leu Ile Leu
181           65           70           75           80
182   Gly Glu Glu Gln Leu Glu Gly Asn Tyr Ser Phe Tyr Val Leu Asp Asn
183           85           90           95
184   Gln Asn Leu Gln Gln Leu Trp Asp Trp Asp His Arg Asn Leu Thr Ile
185           100          105          110
186   Lys Ala Gly Lys Met Tyr Phe Ala Phe Asn Pro Lys Leu Cys Val Ser
187           115          120          125
188   Glu Ile Tyr Arg Met Glu Glu Val Thr Gly Thr Lys Gly Arg Gln Ser
189           130          135          140
190   Lys Gly Asp Ile Asn Thr Arg Asn Asn Gly Glu Arg Ala Ser Cys Glu
191           145          150          155          160
192   Ser

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194 <210> SEQ ID NO: 7

195 <211> LENGTH: 150

196 <212> TYPE: PRT

197 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING

DATE: 09/17/2002

PATENT APPLICATION: US/09/555,275A

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Input Set : N:\paola\US09555275A.RAW

Output Set: N:\CRF4\09172002\I555275A.raw

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198 <400> SEQUENCE: 7
199   Asp Leu Cys Pro Gly Thr Met Glu Glu Lys Pro Met Cys Glu Lys Thr
200   1          5          10          15
201   Thr Ile Asn Asn Glu Tyr Asn Tyr Arg Cys Trp Thr Thr Asn Arg Cys
202           20          25          30
203   Gln Lys Met Cys Pro Ser Thr Cys Gly Lys Arg Ala Cys Thr Glu Asn
204           35          40          45
205   Asn Glu Cys Cys His Pro Glu Cys Leu Gly Ser Cys Ser Ala Pro Asp
206           50          55          60
207   Asn Asp Thr Ala Cys Val Ala Cys Arg His Tyr Tyr Tyr Ala Gly Val
208           65          70          75          80
209   Cys Val Pro Ala Cys Pro Pro Asn Thr Tyr Arg Phe Glu Gly Trp Arg
210           85          90          95
211   Cys Val Asp Arg Asp Phe Cys Ala Asn Ile Leu Ser Ala Glu Ser Ser
212           100         105         110
213   Asp Ser Glu Gly Phe Val Ile His Asp Gly Glu Cys Met Gln Glu Cys
214           115         120         125
215   Pro Ser Gly Phe Ile Arg Asn Gly Ser Gln Ser Met Tyr Cys Ile Pro
216           130         135         140
217   Cys Glu Gly Pro Cys Pro
218           145         150
220 <210> SEQ ID NO: 8
221 <211> LENGTH: 153
222 <212> TYPE: PRT
223 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 8
225   Asp Ile Cys Pro Gly Thr Ala Lys Gly Lys Thr Asn Cys Pro Ala Thr
226   1          5          10          15
227   Val Ile Asn Gly Gln Phe Val Glu Arg Cys Trp Thr His Ser His Cys
228           20          25          30
229   Gln Lys Val Cys Pro Thr Ile Cys Lys Ser His Gly Cys Thr Ala Glu
230           35          40          45
231   Gly Leu Cys Cys His Ser Glu Cys Leu Gly Asn Cys Ser Gln Pro Asp
232           50          55          60
233   Asp Pro Thr Lys Cys Val Ala Cys Arg Asn Phe Tyr Leu Asp Gly Arg
234           65          70          75          80
235   Cys Val Glu Thr Cys Pro Pro Pro Tyr Tyr His Phe Gln Asp Trp Arg
236           85          90          95
237   Cys Val Asn Phe Ser Phe Cys Gln Asp Leu His His Lys Cys Lys Asn
238           100         105         110
239   Ser Arg Arg Gln Gly Cys His Gln Tyr Val Ile His Asn Asn Lys Cys
240           115         120         125
241   Ile Pro Glu Cys Pro Ser Gly Tyr Thr Met Asn Ser Ser Asn Leu Leu
242           130         135         140
243   Cys Thr Pro Cys Leu Gly Pro Cys Pro
244           145         150
246 <210> SEQ ID NO: 9
247 <211> LENGTH: 146
248 <212> TYPE: PRT

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:46

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 15,16,17,18,19,20,21,22,23,109,110

Seq#:4; Xaa Pos. 11,12,13,14,15,16,17,44,45,46,47,48,49,50

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/555,275A

DATE: 09/17/2002

TIME: 14:14:46

Input Set : N:\paola\US09555275A.RAW

Output Set: N:\CRF4\09172002\I555275A.raw

L:5 M:270 C: Current Application Number differs, Wrong Format
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:48